

**Patent** [19]

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**[54] DEODORANT MATERIAL, DEODORIZATION FILTER AND AIR CONDITIONING UNIT FOR VEHICLE**

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[51] Int. Cl.<sup>7</sup> A61L00901 ; A61L00900; B01J03502; F24F01328**[57] ABSTRACT****PROBLEM TO BE SOLVED:** To improve the deodorization capability of an air conditioning unit.

**SOLUTION:** A deodorization filter F is formed by adhering the deodorant material formed by mixing the respective particles of an adsorbent material which adsorbs odorous materials, a photocatalyst which is excited by light to crack the odorous materials and a light storage material which stores the energy of the light from outside and excites the photocatalyst by emitting light so as to coexist, to a filter base material. This deodorization filter F and a UV lamp 18 are installed to the front stage of an evaporator 16 within an air conditioning duct 11 of the air conditioning unit M for vehicles.

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